

**Drug Research Academy
SUMMER SCHOOL 2018
Poster session (2nd year PhD students)**

First name	Family name	Department	Poster no.	Time slot 1: 1st year students	Time slot 2: 3rd year students	Poster title
Poster group 1	Chair: Jesper L. Kristensen					
Emil	Marcher-Rørsted	Drug Design and Pharmacology	1	13:20 - 13:30	14:00 - 14:10	Further developments on the 5HT2A SAR and the quest for subtype selectivity
Fabao	Zhao	Drug Design and Pharmacology	2	13:30 - 13:40	14:10 - 14:20	Development of subtype selective NMDA receptor agonists
Na	Liu	Drug Design and Pharmacology	3	13:40 - 13:50	14:20 - 14:30	Design and synthesis of subtype selective mGluRs ligands
Vita	Sereikaite	Drug Design and Pharmacology	4	13:50 - 14:00	13:20 - 13:30	Molecular insights and modulation of the KCTD/GABA _B receptor interaction by peptide inhibitors
Cesar Ramon Romero	Leguizamon	Drug Design and Pharmacology	5	14:00 - 14:10	13:30 - 13:40	Stress Hormone effects on drug addiction-related neurons: implications for drug use during periods of stress and the etiology of
Maria Vistrup	Madsen	Drug Design and Pharmacology	6	14:10 - 14:20	13:40 - 13:50	Exploring the effect of phosphorylations on protein-protein interactions of PSD-95 using genetically encoded phosphoserine
Javier Rodriquez	Balboa	Drug Design and Pharmacology	7	14:20 - 14:30	13:50 - 14:00	Probing the internal interactome of PDZ domains

Poster group 2**Chair: Helle Waagepetersen**

Anne Sofie Gry	Larsen	Drug Design and Pharmacology	8	13:20 - 13:30	14:00 - 14:10	Characterization of novel ligands at the GHB high-affinity binding target
Olav	Larsen	Department of Neuroscience	9	13:30 - 13:40	14:10 - 14:20	Binding and activation variation within the CCR1-2-5 axis
Zeshan	Sheikh	Drug Design and Pharmacology	10	13:40 - 13:50	14:20 - 14:30	Ion selectivity in acid-sensing ion channels (ASICs)
Syariful	Anam	Drug Design and Pharmacology	11	13:50 - 14:00	13:20 - 13:30	Identification of PTP1B and α -Glucosidase Inhibitors from <i>Aspergillus nidulans</i> by Combined use of Dual High-Resolution PTP1B and α -Glucosidase Inhibition Profiling and HPLC-HRMS
Sana	Ma	Drug Design and Pharmacology	12	14:00 - 14:10	13:30 - 13:40	Site-specific phosphorylation of syntenin-1 using semisynthesis, for the study of protein-protein interactions in cancer progression pathways
Nikolaj Riis	Christensen	Drug Design and Pharmacology	13	14:10 - 14:20	13:40 - 13:50	Protein:protein interactions at the plasma membrane - a case study with PSD95 and stargazin
Dominik Johann	Essig	Drug Design and Pharmacology	14	14:20 - 14:30	13:50 - 14:00	Plasticity of PDZ-dependent PSD-95 interactions

Poster group 3**Chair: Petrine Wellendorph**

Kirstine Louise	Bendtsen	Drug Design and Pharmacology	15	13:20 - 13:30	14:00 - 14:10	Structural characterization of the fibrillation-relevant species of mouse alpha-synuclein
Elena	Longhin	Department for Biomedical Sciences	16	13:30 - 13:40	14:10 - 14:20	Elucidating the structure of the metal bound states of zinc-transporting P _{1B} -type ATPases
Line Koch	Skaanning	Drug Design and Pharmacology	17	13:40 - 13:50	14:20 - 14:30	Formation and characterization of alpha-synuclein fibril strains
Anders Drabæk	Wiuf	Department for Biomedical Sciences	18	13:50 - 14:00	13:20 - 13:30	Towards structural and functional characterization of ZIPs
Christian	Munk	Drug Design and Pharmacology	19	14:00 - 14:10	13:30 - 13:40	The atlas of GPCR signalling determinants - collecting all the pieces to the puzzle
Maria	Rafiq	Drug Design and Pharmacology	20	14:10 - 14:20	13:40 - 13:50	Insight into the structural details of the human organic anion transporting polypeptide 2B1
Nawid	Madjroh	Drug Design and Pharmacology	21	14:20 - 14:30	13:50 - 14:00	Pharmacological characterization of the novel Zinc-activated channel

Poster group 4		Chair: Kasper Rand					
Jens Rose	Fogh	Pharmacy	22	13:20 - 13:30	14:00 - 14:10	Development of a surrogate cerebrospinal fluid for use in quantitative analysis by mass spectrometry	
Gerard	Comamala	Pharmacy	23	13:30 - 13:40	14:10 - 14:20	Thiol-ene microchips for efficient and diversified online enzymatic treatment of proteins during an HDX-MS workflow	
Rasmus René	Svejdal	Pharmacy	24	13:40 - 13:50	14:20 - 14:30	Thiol-ene microfluidic chip for performing hydrogen/deuterium exchange of proteins at sub-second timescales	
Chao	Liang	Drug Design and Pharmacology	25	13:50 - 14:00	13:20 - 13:30	Dual high-resolution PTP1B and α -glucosidase inhibition profiling combined with HPLC-HRMS and NMR for identification of antidiabetic constituents from chloroform extract of <i>Myrtus communis</i>	
Abd.	Malik	Drug Design and Pharmacology	26	14:00 - 14:10	13:30 - 13:40	High-resolution α -glucosidase Inhibitory Profiling for Isolation of Novel Inhibitors from an Endophytic Fungus <i>Cytospora</i> sp.	
Nicki	Frederiksen	Drug Design and Pharmacology	27	14:10 - 14:20	13:40 - 13:50	Structure-Activity Study of α -Peptoid/ α -Peptide Peptidomimetics: Influence of Hydrophobicity on Antimicrobial Activity and Cytotoxicity	
Christin	Kossmann	Drug Design and Pharmacology	28	14:20 - 14:30	13:50 - 14:00	D-peptide inhibitors of PSD-95 through mirror-image phage display	

Poster group 5**Chair: Thomas Rades**

Pernille Qwist	Reckey	Pharmacy	29	13:20 - 13:30	14:00 - 14:10	On-line process rheology for pharmaceutical semi-solids
Yongquan	Li	Pharmacy	30	13:30 - 13:40	14:10 - 14:20	3D printed microfluidic chips: Impact of channel geometry on the formation of nanocomplexes
Jacob Rune	Jørgensen	Pharmacy	31	13:40 - 13:50	14:20 - 14:30	Enhanced insulin permeability by use of microcontainers
Jianfei	Huang	Pharmacy	32	13:50 - 14:00	13:20 - 13:30	Design and optimization of mucoadhesive films for buccal delivery of clotrimazole
Maximilian	Karl	Pharmacy	33	14:00 - 14:10	13:30 - 13:40	Micromechanical thermal analysis for solid state characterization of pharmaceutical formulations
Jacob	Bannow	Pharmacy	34	14:10 - 14:20	13:40 - 13:50	Towards the Quantification of Surface Mobility in Amorphous Systems using Atomic Force Microscopy
Peter Ouema	Okeyo	Pharmacy	35	14:20 - 14:30	13:50 - 14:00	Imaging of hydrate-anhydrate transformations using Raman line-focus microscopy

Poster group 6		Chair: Camilla Foged					
Bruno Luigi Carlo	Borro	Pharmacy	36	13:20 - 13:30	14:00 - 14:10	The effect of micromixer geometry on the properties of peptide loaded microgels	
Mai Bay	Stie	Pharmacy	37	13:30 - 13:40	14:10 - 14:20	Effect of solvent on the properties of electrospun chitosan/polyethylene oxide nanofibers	
Junwei	Wang	Pharmacy	38	13:40 - 13:50	14:20 - 14:30	Improvement of in vitro antibacterial efficiency of thiamphenicol dry powder by increasing its dissolution rate	
Sara	Malekkhaiat Häffner	Pharmacy	39	13:50 - 14:00	13:20 - 13:30	Membrane interactions of nanoclay particles as carriers of antimicrobial peptides	
Reka	Geczy	Pharmacy	40	14:00 - 14:10	13:30 - 13:40	Microfluidic approaches for the production of monodisperse, superparamagnetic microspheres in the low micrometer size range	
Nina	Mertz	Pharmacy	41	14:10 - 14:20	13:40 - 13:50	Transport and release characteristics in a novel <i>in vitro</i> model for predicting the performance of intra-articular injectables	
Natashia Yde	Larsen	Pharmacy	42	14:20 - 14:30	13:50 - 14:00	Achieving Targeted Release of Viable Freeze-dried Probiotic Strains by Granulation, Extrusion, Spheronization and Fluid Bed Coating	